

executing the wireless application to render the data from the Internet site using the compressed response.

18. (Amended) The method of claim 17, wherein receiving a user-input entered through a wireless application includes:

displaying a list of wireless applications on the wireless device;

receiving a user selection of a wireless application; and

in response to the user selection, displaying a query form to allow a user to enter the user-input.

19. (Cancel) The method of claim 17, wherein displaying the requested network data comprises:

fetching compact markup language (CML) content from the proxy server; and rendering the CML content for display on the wireless device.

20. (Cancel) The method of claim 17, further comprising sending and receiving arbitrary length messages between the wireless device and the network using a reliable message protocol (RMP) that sends messages in a single packet that can be reconstructed on receipt.

21. (Cancel) The method of claim 20, wherein delivery of packets is not guaranteed, and wherein RMP includes a mechanism for retransmission of packets.

22. (Cancel) A system for wireless communication between a wireless device and a network, comprising:

at least one network computer;

at least one server coupled to the at least one network computer; and

a wireless device comprising:

a display; and

a storage device that stores a plurality of software, including,

a plurality of wireless applications, each of which is for accessing an Internet web site; and

software for converting data to a compressed transport protocol (CTP), wherein the data comprises hypertext transfer protocol (HTTP) queries sent to the server and HTTP responses received from the server.

23. (Cancel) The system of claim 22, wherein the plurality of software stored is further for:

receiving user query information, wherein receiving includes processing data entered on a query form stored on the wireless device, and wherein the user query information specifies requested network data, and displaying requested network data on the wireless device, wherein the requested network data comprises data from the Internet web site.

24. (Cancel) The method of claim 22, wherein the plurality of software stored is further for:

displaying a list of wireless applications on the wireless device; receiving a user selection of a wireless application; and in response to the user selection, displaying a query form.

25. (Cancel) The method of claim 23, wherein displaying the requested network data comprises:

fetching compact markup language (CML) content from the proxy server; and rendering the CML content for display on the wireless device.

26. (Cancel) The method of claim 22, wherein the plurality of software stored is further for sending and receiving arbitrary length messages between the wireless device and the network using a reliable message protocol (RMP) that sends messages in a single packet that can be reconstructed on receipt.

27. (Cancel) The method of claim 26, wherein delivery of packets is not guaranteed, and wherein RMP includes a mechanism for retransmission of packets.

C 2 Sub 2 28. (Amended) A computer-readable medium for wireless communications, the computer-readable medium comprising instructions which, when executed by one or more processors, cause the one or more processors to perform steps of receiving a user input entered through a wireless application;

in response to the user-input, executing the wireless application to generate a compressed query;

sending the compressed query to an external proxy server to cause the proxy server to request data from an Internet site;

receiving a compressed response from the proxy server, the compressed response including data from the Internet site; and

executing the wireless application to render the data from the Internet site using the compressed response.

C8 29. (Amended) The computer-readable medium of claim 28, further comprising instructions for performing steps of:

displaying a list of wireless applications on the wireless device;

receiving a user selection of a wireless application; and

in response to the user selection, displaying a query form to allow a user to enter the user-input.

30. (Cancel) The method of claim 28, wherein displaying the requested network data comprises:

fetching compact markup language (CML) content from the proxy server; and rendering the CML content for display on the wireless device.

31. (Cancel) The method of claim 28, wherein the executable instructions, when executed in a the wireless device, further cause the wireless device to send and receive arbitrary length messages between the wireless device and the network using a reliable message protocol (RMP) that sends messages in a single packet that can be reconstructed on receipt.

32. (Cancel) The method of claim 31, wherein delivery of packets is not guaranteed, and wherein RMP includes a mechanism for retransmission of packets.

C9 33. (New) The method of claim 17, wherein executing the wireless application to generate a compressed query includes generating the query in compressed transport protocol (CTP).

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34. (New) The method of claim 17, wherein executing the wireless application to generate a compressed query includes generating the query in compressed markup language (CML).

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35. (New) The method of claim 17, wherein executing the wireless application to render the data includes executing the application to use the compressed response without converting the compressed response to another protocol.

36. (New) The computer-readable medium of claim 29, wherein instructions for executing the wireless application to generate a compressed query includes generating the query in compressed transport protocol (CTP).

37. (New) The computer-readable medium of claim 29, wherein instructions for executing the wireless application to generate a compressed query includes generating the query in compressed markup language (CML).
